

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001820

## A. CLASSIFICATION OF SUBJECT MATTER

G 01 N 37/00 G 01 N 21/59 G 01 N 33/28 G 06 F 17/00 G 06 F 17/14 G 06 F 17/40

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC<sup>7</sup>: G 01 N 21/31, 21/35, 33/28, 37/00; G 06 F 17/00, 17/14, 17/40; ECLA: G 01 J 3/44K; G 01 J 3/44; USPC: 250/339.08; 702/25, 702/77

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) USPTO West, Canadian Patent Database, Questel-Orbit Pluspat.  
Keywords: "suspension", "emulsion", "dispersion", "slurry", "Fourier", "infrared".

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0154036 (GYSLING et al.) 14 August 2003 (14-08-2003) Whole document	1-3,10,11,16,17
X	US 4743339 (FAIX et al.) 10 May 1988 (10-05-1988) Abstract; Figures 1a, 1b, 4a, 4b, 5-8; Column 1, lines 6-10; Column 1, line 52 to Column 2, line 39; Column 3, lines 1-10	1,2,4-10
Y		11,12
X	WO 97/14953 (VAN DOORN et al.) 24 April 1997 (24-04-1997) Whole document	1,2,4,5,10
Y		11,12
X	WO 92/17767 (JALKANEN) 15 October 1992 (15-10-1992) Abstract; Figures 1 and 2; pages 1, 4, 5, 7, 8	1,2,4,5,10
Y		11,12
X	EP 727671 (NUSS) 21 August 1996 (21-08-1996) Whole document	1,2,4,5,13,35,43
Y		14,15,44,45

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

\* Special categories of cited documents :  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international-type search  
18 January 2005 (18-01-2005)Date of mailing of the international-type search report  
24 February 2005 (24-02-2005)Name and mailing address of the ISA/CA  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau K1A 0C9  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 2443098 (ANDERSON et al.) 24 October 2002 (24-10-2002) Figures 12-16; page 2, lines 1-7 and 10-29; page 11, line 5 to page 13, line 27; page 15, line 28 to page 16, line 2; page 17, line 15 to page 19, line 4; page 28, line 19 to page 34, line 17; page 36, line 9 to page 38, line 11; page 39, lines 16-27; pages 56-59	1,2,4-6,10-19,21-25,35
Y		20,26,27,32-34,43-45
X	CA 2337888 (ALDRICH et al.) 17 February 2000 (17-02-2000) Abstract: page 1; pages 3-6; pages 9 and 10; pages 13, 15, and 16	1,2,4-10,16-19,22,23
Y		11,12,20,24-27,29-31
Y	CA 2470477 (LEMMON et al.) 10 July 2003 (10-07-2003) Figures 10,12,17,19,21; pages 1,5,6,9,10	26,27,29-34
A	CA 2254376 (TAGUCHI) 25 May 1999 (25-05-1999) Figure 3; pages 11-14, and 18	36,39
Y	T. Theophanides (ed.) Fourier Transform Infrared Spectroscopy. Reidel Publishing, Boston, 1984, pages 56-64, 125-135, 159-166	11,12,14,15,20,24,25,29-34,44,45

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
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Patent Document Cited in Search Report	Publication Date	Patent Family Members	Publication Date
US 2003/0154036	14-08-2003	CA 2474071 EP 1476727 EP 1481223 WO 03/062759 WO 03/091671	31-07-2003 17-11-2004 01-12-2004 31-07-2003 06-11-2003
US 4743339	10-05-1988	AT 85119 CA 1277110 DE 3687658 DE 3504486 EP 245536	15-02-1993 04-12-1990 11-03-1993 14-08-1986 19-11-1987
WO 97/14953	24-04-1997	AU 7495296 CA 2235160 DE 69627366 EP 859952 JP 11-513794	07-05-1997 24-04-1997 15-05-2003 26-08-1998 24-11-1999
WO 92/17767	15-10-1992	FI 87838	13-11-1992
EP 727671	21-08-1996	DE 69630065 EP 828162 JP 08-320254 US 5623145 US 5710430	30-10-2003 11-03-1998 03-12-1996 22-04-1997 20-01-1998
CA 2443098	24-10-2002	EP 1381849 JP 2004-530875 US 2004/146615 WO 02/084262	21-01-2004 07-10-2004 29-07-2004 24-10-2002
CA 2337888	17-02-2000	DE 69918443 EP 1102828 JP 2003-517496 US 6025305 WO 00/008116	05-08-2004 30-05-2001 27-05-2003 15-02-2000 17-02-2000
CA 2470477	10-07-2003	WO 03/056300	10-07-2003
CA 2254376	25-05-1999	JP 11-154220 US 6335984	08-06-1999 01-01-2002